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Regulatory Directive DIR2015-01

Revisions and Updates to Specific Residue Chemistry Crop Groups

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1.0 Purpose

The purpose of this Regulatory Directive is to communicate to industry and other interested parties recent revisions to the Residue Chemistry Crop Groups of the Pest Management Regulatory Agency (PMRA). PMRA has established two new crop groups: Crop Group 23, Tropical and Subtropical Fruit – Edible Peel; and Crop Group 24, Tropical and Subtropical Fruit – Inedible Peel.

2.0 Background

Crop groupings allow maximum residue limits to be established for multiple related crops based on data from a representative set of crops. The crop grouping concept leads to an estimate of the maximum residue limit that could occur on any crop within the group. Crop groups enable the registration, expansion and establishment of maximum residue limits for groups of similar crops based on residue data from certain representative commodities. The crop groups listed in Regulatory Directive DIR98-02 were based on revisions made in 1995.

As a result of the 2002 United States Department of Agriculture/Interregional Research Project No. 4 (IR-4) International Crop Grouping Symposium, the International Crop Grouping Consulting Committee (ICGCC) was established to achieve the following goals:

- update the crop groups to incorporate more than 500 "orphan crops" that were not members of an existing crop group, and
- develop new crop groups to more easily harmonize crop groups and simplify the commodity terminology for establishing maximum residue limits.

In co-operation with the United States Environmental Protection Agency and the ICGCC, PMRA is revising and updating the 20 crop groups as listed in Section 15 of Regulatory Directive DIR98-02, *Residue Chemistry Guidelines*. PMRA expects these revisions to promote more extensive use of crop groupings for the purposes of setting maximum residue limits and in particular, to facilitate the availability of pesticides for minor crop uses.

To date, PMRA has approved revisions to 10 of the existing crop groups. Under DIR2009-01, DIR2010-01, DIR2011-02, and DIR2014-02, the following crop groups were revised:

- Crop Group 3, Bulb Vegetables Group
- Crop Group 4, Leafy Vegetables (except *Brassica*) Group
- Crop Group 5, *Brassica* (*Cole*) Leafy Vegetables Group
- Crop Group 8, Fruiting Vegetables Group
- Crop Group 10, Citrus Fruits Group
- Crop Group 11, Pome Fruits Group
- Crop Group 12, Stone Fruits Group
- Crop Group 13, Berries and Small Fruits Group
- Crop Group 14, Tree Nuts Group
- Crop Group 20, Oilseeds Group

Two new crop groups were also created: Crop Group 21, Edible Fungi Group; and Crop Group 22, Stalk, Stem and Leaf Petioles. In addition, a new oilseed crop, calendula, was added to Crop Group 20. These revisions expanded the existing crop groups by adding new commodities, establishing new crop subgroups, and revising the representative crops in some groups.

Ongoing work has resulted in the establishment of two new crop groups: Crop Group 23, Tropical and Subtropical Fruit – Edible Peel; and Crop Group 24, Tropical and Subtropical Fruit – Inedible Peel.

3.0 Newly Established Crop Groups Identified in this Regulatory Directive

3.1 Crop Group 23, Tropical and Subtropical Fruits – Edible Peel

This new crop group has 109 commodities. The representative commodities for the crop group are Date, Olive, Fig, and Guava. There are three related subgroups associated with this crop group:

- Crop Subgroup 23A: Tropical and Subtropical Fruits, Small Fruits, Edible Peel Subgroup for which the representative crop is Olive.
- Crop Subgroup 23B: Tropical and Subtropical Fruits, Medium to Large Fruits, Edible Peel Subgroup for which the representative crops are Fig and Guava.
- Crop Subgroup 23C: Tropical and Subtropical Palm Fruits, Edible Peel Subgroup for which the representative crop is Date.

3.2 Crop Group 24, Tropical and Subtropical Fruits – Inedible Peel

This new crop group has 106 commodities. The representative commodities for the crop group are Atemoya or Sugar Apple, Avocado, Banana or Pomegranate, Dragon Fruit, Lychee, Passionfruit, Pineapple, and Prickly Pear.

There are five subgroups associated with this crop group:

- Crop Subgroup 24A: Tropical and Subtropical Fruits, Small Fruits, Inedible Peel with Lychee as the representative crop.
- Crop Subgroup 24B: Tropical and Subtropical Fruits, Medium to Large Fruits, Smooth, Inedible Peel with Avocado and Banana or Pomegranate as the representative crops.
- Crop Subgroup 24C: Tropical and Subtropical Fruits, Medium to Large Fruits, Rough or Hairy, Inedible Peel Subgroup with Atemoya or Sugar Apple and Pineapple as the representative crops.
- Crop Subgroup 24D: Tropical and Subtropical, Inedible Peel, Cactus Subgroup with Dragon Fruit and Prickly Pear Fruit as the representative crops.
- Crop Subgroup 24E: Tropical and Subtropical, Inedible Peel, Vine Subgroup with Passionfruit as the representative crop.

4.0 Table of Original and Revised Residue Chemistry Crop Groups

The revisions to the residue chemistry crop groups are an ongoing project that is expected to take years to complete. To track the progress of the revisions, PMRA has prepared a Residue Chemistry Crop Group table, which lists the original crop groups according to Regulatory Directive DIR98-02, as well as the revised crop groups (where applicable). This table will be updated to reflect revisions to the crop groups when they are accepted and adopted by PMRA as part of the work of the ICGCC. Notification of future revisions to the remaining residue chemistry crop groups will be published on a regular basis with a link to the Residue Chemistry Crop Groups table.